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RAW SEQUENCE LISTING

DATE: 09/18/2002

PATENT APPLICATION: US/10/055,711

TIME: 10:58:09

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\09182002\J055711.raw

ENTERED

3 <110> APPLICANT: REBAR, Edward
 4 JAMIESON, Andrew
 6 <120> TITLE OF INVENTION: MODIFIED ZINC FINGER BINDING PROTEINS
 8 <130> FILE REFERENCE: 8325-0025
 10 <140> CURRENT APPLICATION NUMBER: 10/055,711
 C--> 11 <141> CURRENT FILING DATE: 2002-09-10
 13 <160> NUMBER OF SEQ ID NOS: 147
 15 <170> SOFTWARE: PatentIn Ver. 2.0
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 25
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Artificial Sequence
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 28 <223> OTHER INFORMATION: where Xaa is any amino acid
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 32 <222> LOCATION: (4)..(5)
 33 <223> OTHER INFORMATION: where Xaa may be present or absent
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 38 <223> OTHER INFORMATION: where Xaa is any amino acid
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 42 <222> LOCATION: (20)..(24)
 43 <223> OTHER INFORMATION: where Xaa is any amino acid
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 47 <222> LOCATION: (23)..(24)
 48 <223> OTHER INFORMATION: where Xaa may be present or absent
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 52 1 5 10 15
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 55 20 25
 58 <210> SEQ ID NO: 2
 59 <211> LENGTH: 34
 60 <212> TYPE: PRT
 61 <213> ORGANISM: Artificial Sequence

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63 <220> FEATURE:
64 <223> OTHER INFORMATION: Description of Artificial Sequence: canonical
65     consensus sequence
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69 <222> LOCATION: (1)..(3)
70 <223> OTHER INFORMATION: where Xaa is any amino acid
72 <220> FEATURE:
73 <221> NAME/KEY: SITE
74 <222> LOCATION: (5)..(8)
75 <223> OTHER INFORMATION: where Xaa is any amino acid
77 <220> FEATURE:
78 <221> NAME/KEY: SITE
79 <222> LOCATION: (7)..(8)
80 <223> OTHER INFORMATION: where Xaa may be present or absent
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83 <221> NAME/KEY: SITE
84 <222> LOCATION: (10)..(21)
85 <223> OTHER INFORMATION: where Xaa is any amino acid
87 <220> FEATURE:
88 <221> NAME/KEY: SITE
89 <222> LOCATION: (23)..(29)
90 <223> OTHER INFORMATION: where Xaa is any amino acid
92 <220> FEATURE:
93 <221> NAME/KEY: SITE
94 <222> LOCATION: (24)..(29)
95 <223> OTHER INFORMATION: where Xaa may be present or absent
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98 <221> NAME/KEY: SITE
99 <222> LOCATION: (31)..(34)
100 <223> OTHER INFORMATION: where Xaa is any amino acid
102 <400> SEQUENCE: 2
W--> 103 Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
      104 1             5             10             15
W--> 106 Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa
      107             20             25             30
W--> 109 Xaa Xaa
113 <210> SEQ ID NO: 3
114 <211> LENGTH: 9
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
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119 <223> OTHER INFORMATION: Description of Artificial Sequence: target sequence
121 <400> SEQUENCE: 3
122 ggcgtagac
124 <210> SEQ ID NO: 4
125 <211> LENGTH: 9
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence

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129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: target segment
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133 ggcgacgta
135 <210> SEQ ID NO: 5
136 <211> LENGTH: 5
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
143 <400> SEQUENCE: 5
144 Thr Gly Glu Lys Pro
145 1 5
148 <210> SEQ ID NO: 6
149 <211> LENGTH: 5
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
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154 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
156 <400> SEQUENCE: 6
157 Gly Gly Gly Gly Ser
158 1 5
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162 <211> LENGTH: 8
163 <212> TYPE: PRT
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
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171 1 5
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 9
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
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180 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
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184 1 5
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188 <211> LENGTH: 12
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
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193 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
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196 Leu Arg Gln Lys Asp Gly Gly Gly Ser Glu Arg Pro
197 1 5 10

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RAW SEQUENCE LISTING

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Input Set : A:\seqlist.txt

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200 <210> SEQ ID NO: 10
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 206 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide linker
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 209 Leu Arg Gln Lys Asp Gly Gly Gly Ser Gly Gly Gly Ser Glu Arg Pro
 210 1 5 10 15
 213 <210> SEQ ID NO: 11
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 215 <212> TYPE: PRT
 216 <213> ORGANISM: Artificial Sequence
 218 <220> FEATURE:
 219 <223> OTHER INFORMATION: Description of Artificial Sequence: ZFP portion C2H2
 221 <400> SEQUENCE: 11
 222 His Ile Lys Thr His Gln Asn Lys Lys Gly Gly Ser
 223 1 5 10
 226 <210> SEQ ID NO: 12
 227 <211> LENGTH: 12
 228 <212> TYPE: PRT
 229 <213> ORGANISM: Artificial Sequence
 231 <220> FEATURE:
 232 <223> OTHER INFORMATION: Description of Artificial Sequence: ZFP portion S
 234 <400> SEQUENCE: 12
 235 His Ser Glu Thr Gly Cys Thr Lys Lys Gly Gly Ser
 236 1 5 10
 239 <210> SEQ ID NO: 13
 240 <211> LENGTH: 12
 241 <212> TYPE: PRT
 242 <213> ORGANISM: Artificial Sequence
 244 <220> FEATURE:
 245 <223> OTHER INFORMATION: Description of Artificial Sequence: ZFP portion E
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 248 His Leu Lys Ser Leu Thr Pro Cys Thr Gly Gly Ser
 249 1 5 10
 252 <210> SEQ ID NO: 14
 253 <211> LENGTH: 12
 254 <212> TYPE: PRT
 255 <213> ORGANISM: Artificial Sequence
 257 <220> FEATURE:
 258 <223> OTHER INFORMATION: Description of Artificial Sequence: ZFP portion K
 260 <400> SEQUENCE: 14
 261 His Lys Cys Gly Ile Gln Asn Lys Lys Gly Gly Ser
 262 1 5 10
 265 <210> SEQ ID NO: 15
 266 <211> LENGTH: 12
 267 <212> TYPE: PRT
 268 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

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Input Set : A:\seqlist.txt

Output Set: N:\CRF4\09182002\J055711.raw

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274 His Ser Glu Asn Cys Gln Gly Lys Lys Gly Gly Ser
275   1             5             10
278 <210> SEQ ID NO: 16
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280 <212> TYPE: PRT
281 <213> ORGANISM: Artificial Sequence
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288   1             5             10
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296 <220> FEATURE:
297 <223> OTHER INFORMATION: Description of Artificial Sequence: ZFP portion GC
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300 His Ile Lys Gly Cys Gln Asn Lys Lys Gly Gly Ser
301   1             5             10
304 <210> SEQ ID NO: 18
305 <211> LENGTH: 12
306 <212> TYPE: PRT
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence: ZFP portion GGC
312 <400> SEQUENCE: 18
313 His Ile Gly Gly Cys Gln Asn Lys Lys Gly Gly Ser
314   1             5             10
317 <210> SEQ ID NO: 19
318 <211> LENGTH: 28
319 <212> TYPE: PRT
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Description of Artificial Sequence: SP-1 consensus
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326 <221> NAME/KEY: SITE
327 <222> LOCATION: (12)..(18)
328 <223> OTHER INFORMATION: where Xaa is any amino acid
330 <400> SEQUENCE: 19
W-> 331 Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Xaa Xaa Xaa Xaa Xaa
332   1             5             10             15
W-> 334 Xaa Xaa His Gln Arg Thr His Thr Gly Glu Lys Pro
335             20             25
338 <210> SEQ ID NO: 20
339 <211> LENGTH: 34

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/055,711DATE: 09/18/2002
TIME: 10:58:10Input Set : A:\seqlist.txt
Output Set: N:\CRF4\09182002\J055711.rawPlease Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24
Seq#:2; Xaa Pos. 1,2,3,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,23,24,25
Seq#:2; Xaa Pos. 26,27,28,29,31,32,33,34
Seq#:19; Xaa Pos. 12,13,14,15,16,17,18
Seq#:20; Xaa Pos. 18,19,20,21,22,23,24
Seq#:21; Xaa Pos. 12,13,14,15,16,17,18
Seq#:22; Xaa Pos. 12,13,14,15,16,17,18
Seq#:24; Xaa Pos. 4,5
Seq#:25; Xaa Pos. 16,17,18,19,20,21,22
Seq#:26; Xaa Pos. 12,13,14,15,16,17,18
Seq#:27; Xaa Pos. 12,13,14,15,16,17,18
Seq#:28; N Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44
Seq#:28; N Pos. 45
Seq#:29; N Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44
Seq#:29; N Pos. 45
Seq#:30; N Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47
Seq#:30; N Pos. 48
Seq#:118; Xaa Pos. 1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,23
Seq#:118; Xaa Pos. 24,25,26,27,28,29,31,32,33,34
Seq#:119; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23
Seq#:119; Xaa Pos. 24,25,26,27,28,29,31,32,33,34
Seq#:120; Xaa Pos. 1,2,3,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:120; Xaa Pos. 24,25,26,27,28,29,31,32,33,34
Seq#:121; Xaa Pos. 1,2,3,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,23,24
Seq#:121; Xaa Pos. 25,26,27,28,29,30,31,32,33,34
Seq#:122; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23
Seq#:122; Xaa Pos. 24,25,26,27,28,29,31,32,33,34
Seq#:123; Xaa Pos. 1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:123; Xaa Pos. 23,24,25,26,27,28,29,31,32,33,34
Seq#:124; Xaa Pos. 1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,23
Seq#:124; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34
Seq#:125; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
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Seq#:126; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23
Seq#:126; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34
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Seq#:127; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34
Seq#:128; Xaa Pos. 1,2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:128; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34
Seq#:129; Xaa Pos. 1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,22
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Seq#:130; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34
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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\seqlist.txt

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Seq#:136; Xaa Pos. 25,26,27,28,29,30,31,32,33,34
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